

CLAIMS

What is claimed is:

1. A fan blade with improved mix flow fan, said mix flow fan comprising a fan wheel with a central hub having a flat surface on one side and a hollow space on the other side, several blades attached to the outer rim of the hub in equal distances, with the surfaces of the blades being bend, the part connecting the blades to the hub also bend, therefore forming cambered channels in the gaps between the blades, which are arranged in equal distances, characterized in that,

the outer rim of said hub formed by beveled surface, said flat surface of said hub as the air inlet side and said hollow space of said hub as the outlet side, the area ratio of said mix flow fan for the air inlet and the air outlet to be in a relation of 1.9~2.3, wherein said beveled surface is formed by slop descending from the side of said hub on which said hollow space is to the side of the said hub which consist of said flat surface thereby the diameter of side of said hollow space to be larger than the diameter of side of said flat surface.